

SEQUENCE LISTING

<110> Toni R. Prezant (Inventor)
Shlomo Melmed (Inventor)
Anthony P. Heaney (Inventor)

<120> METHOD OF REGULATING BIOLOGICAL ACTIVITY
OF PITUITARY TUMOR TRANSFORMING GENE (PTTG)1 USING PTTG2

<130> 18810-81401

<140> US UNASSIGNED

<141> 2001-05-11

<150> US 09/777,422

<151> 2001-02-05

<150> US 09/730,469

<151> 2000-12-04

<150> US 09/687,911

<151> 2000-10-13

<150> US 09/569,956

<151> 2000-05-12

<150> US 08/894,251

<151> 1999-07-23

<150> PCT/US86/21463

<151> 1997-11-21

<150> US 60/031,338

<151> 1996-11-21

<160> 68

<170> FastSEQ for Windows Version 4.0

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<213> Rattus rattus

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gcgtttatga ccctggcgtg aagatttaag gtctggatta agcctgttga cttctccagc 180
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FASTSEQ "93E4360


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Lys Ala Leu Asp Gly Arg Ser Gln Val Ser Thr Pro Arg Phe Gly Lys
      35             40             45
Thr Phe Asp Ala Pro Pro Ala Leu Pro Lys Ala Thr Arg Lys Ala Leu
      50             55             60
Gly Thr Val Asn Arg Ala Thr Glu Lys Ser Val Lys Thr Lys Gly Pro
      65             70             75             80
Leu Lys Gln Lys Gln Pro Ser Phe Ser Ala Lys Lys Met Thr Glu Lys
      85             90             95
Thr Val Lys Ala Lys Ser Ser Val Pro Ala Ser Asp Asp Ala Tyr Pro
      100            105            110
Glu Ile Glu Lys Phe Phe Pro Phe Asn Pro Leu Asp Phe Glu Ser Phe
      115            120            125
Asp Leu Pro Glu Glu His Gln Ile Ala His Leu Pro Leu Ser Gly Val
      130            135            140
Pro Leu Met Ile Leu Asp Glu Glu Arg Glu Leu Glu Lys Leu Phe Gln
      145            150            155            160
Leu Gly Pro Pro Ser Pro Val Lys Met Pro Ser Pro Pro Trp Glu Ser
      165            170            175
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<220>
<223> Arbitrary primer sequence.

<400> 12
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<223> n = a, g, or c; Anchored primer sequence.

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<213> Mus musculus

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35 40 45
Asn Ala Pro Ala Val Pro Lys Ala Ser Arg Lys Ala Leu Gly Thr Val
50 55 60
Asn Arg Val Ala Glu Lys Pro Met Lys Thr Gly Lys Pro Leu Gln Pro
65 70 75 80
Lys Gln Pro Thr Leu Thr Gly Lys Lys Ile Thr Glu Lys Ser Thr Lys

0904326 051101

Climatic data		Soil data		Plant data		Insect data		Bird data	
Year	Month	Soil type	Soil depth (cm)	Plant species	Plant height (cm)	Insect species	Insect abundance	Bird species	Bird abundance
2010	Jan	Clay	10	Grass	15	Ant	100	Robin	5
2010	Feb	Clay	10	Grass	15	Ant	100	Robin	5
2010	Mar	Clay	10	Grass	15	Ant	100	Robin	5
2010	Apr	Clay	10	Grass	15	Ant	100	Robin	5
2010	May	Clay	10	Grass	15	Ant	100	Robin	5
2010	Jun	Clay	10	Grass	15	Ant	100	Robin	5
2010	Jul	Clay	10	Grass	15	Ant	100	Robin	5
2010	Aug	Clay	10	Grass	15	Ant	100	Robin	5
2010	Sep	Clay	10	Grass	15	Ant	100	Robin	5
2010	Oct	Clay	10	Grass	15	Ant	100	Robin	5
2010	Nov	Clay	10	Grass	15	Ant	100	Robin	5
2010	Dec	Clay	10	Grass	15	Ant	100	Robin	5
2011	Jan	Clay	10	Grass	15	Ant	100	Robin	5
2011	Feb	Clay	10	Grass	15	Ant	100	Robin	5
2011	Mar	Clay	10	Grass	15	Ant	100	Robin	5
2011	Apr	Clay	10	Grass	15	Ant	100	Robin	5
2011	May	Clay	10	Grass	15	Ant	100	Robin	5
2011	Jun	Clay	10	Grass	15	Ant	100	Robin	5
2011	Jul	Clay	10	Grass	15	Ant	100	Robin	5
2011	Aug	Clay	10	Grass	15	Ant	100	Robin	5
2011	Sep	Clay	10	Grass	15	Ant	100	Robin	5
2011	Oct	Clay	10	Grass	15	Ant	100	Robin	5
2011	Nov	Clay	10	Grass	15	Ant	100	Robin	5
2011	Dec	Clay	10	Grass	15	Ant	100	Robin	5

Ile	Thr	Leu	Asn	Glu	Glu	Arg	Gly	Leu	Glu	Lys	Leu	Leu	His	Leu	Gly
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Pro	Pro	Ser	Pro	Leu	Lys	Thr	Pro	Phe	Leu	Ser	Trp	Glu	Ser	Asp	Pro
			20					25					30		
Leu	Tyr	Ser	Pro	Pro	Ser	Ala	Leu	Ser	Thr	Leu	Asp	Val	Glu	Leu	Pro
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Pro	Val	Cys	Tyr	Asp	Ala	Asp	Ile								
	50					55									

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000426 051101

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Lys Ala Leu	Asp Gly Ile Ser Gln Val Leu Thr	Pro Arg Phe Gly Lys	
	35	40	45
Thr Tyr Asp	Ala Pro Ser Ala Leu Pro Lys Ala	Thr Arg Lys Ala Leu	
	50	55	60
Gly Thr Val	Asn Arg Ala Thr Glu Lys Ser Val	Lys Thr Asn Gly Pro	
65	70	75	80
Arg Lys Gln	Lys Gln Pro Ser Phe Ser Ala Lys	Lys Met Thr Glu Lys	
	85	90	95
Thr Val Lys	Thr Lys Ser Ser Val Pro Ala Ser	Asp Asp Ala Tyr Pro	
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Glu Ile Glu	Lys Phe Phe Pro Phe Asn Leu Leu	Asp Phe Glu Ser Phe	
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Asp Leu Pro	Glu Glu Arg Gln Ile Ala His Leu	Pro Leu Ser Gly Val	
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Pro Leu Met	Ile Leu Asp Glu Glu Gly Glu Leu	Glu Lys Leu Phe Gln	
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 <213> Homo sapiens

<400> 67
 Met Ala Thr Leu Ile Tyr Val Asp Lys Glu Asn Glu Glu Pro Gly Ile
 1 5 10 15
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 20 25 30
 Lys Ala Leu Asp Gly Arg Ser Gln Val Ser Ile Ser Cys Phe Gly Lys
 35 40 45
 Thr Phe Asp Ala Pro Thr Ser Leu Pro Lys Ala Thr Arg Lys Ala Leu
 50 55 60
 Gly Thr Val Asn Arg Ala Thr Glu Lys Ser Val Lys Thr Asn Gly Pro
 65 70 75 80
 Leu Lys Gln Lys Gln Pro Ser Phe Ser Ala Lys Lys Met Thr Glu Lys
 85 90 95
 Thr Val Lys Ala Lys Asn Ser Val Pro Ala Ser Asp Asp Gly Tyr Pro
 100 105 110
 Glu Ile Glu Lys Leu Phe Pro Phe Asn Pro Leu Gly Phe Glu Ser Phe
 115 120 125
 Asp Leu Pro Glu Glu His Gln Ile Ala His Leu Pro Leu Ser Glu Val
 130 135 140
 Pro Leu Met Ile Leu Asp Glu Glu Arg Glu Leu Glu Lys Leu Phe Gln
 145 150 155 160
 Leu Gly Pro Pro Ser Pro Leu Lys Met Pro Ser Pro Pro Trp Lys Ser
 165 170 175
 Asn Leu Leu Gln Ser Pro Leu Ser Ile Leu Leu Thr Leu Asp Val Glu
 180 185 190
 Leu Pro Pro Val Cys Ser Asp Ile Asp Ile
 195 200

<210> 68
 <211> 1142
 <212> DNA
 <213> Homo sapiens

Table 1. Demographic characteristics of the study population	
Age (years)	Mean (SD)
Male	55.2 (10.5)
Female	56.8 (11.2)
Marital status	
Married	68.5%
Single	12.3%
Divorced	15.7%
Widowed	3.5%
Education level	
High school or less	45.2%
College	32.1%
Postgraduate	22.7%
Occupation	
Professional	28.9%
Managerial	18.4%
Technical	15.6%
Service	22.3%
Unemployed	14.8%
Income (USD/month)	
< 500	12.5%
500-1000	25.3%
1000-1500	38.7%
> 1500	23.5%
Health insurance	
Yes	78.9%
No	21.1%
Smoking status	
Smoker	18.7%
Non-smoker	81.3%
Alcohol consumption	
Regular	5.4%
Occasional	12.8%
Never	81.8%
Comorbidities	
Hypertension	35.2%
Diabetes	22.1%
Cholesterol	18.9%
Arthritis	15.3%
Depression	10.7%
Other	8.5%

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